

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
Abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

SF - 077123

6. If Indian, Allottee or tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Warren Com 2

9. API Well No.

30-045-20063

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

SAN JUAN, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

3a. Address

PO BOX 3092 HOUSTON, TX 77253

3b. Phone No. (include area code)

281-366-4081

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1990' FSL & 1585' FEL; SEC 14 T28N R09W SWNE Mer NMP

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐

Acidize

☐

Deepen

☐

Production (Start/Resume)

☐

Water shut-Off

☐

Alter Casing

☐

Fracture Treat

☐

Reclamation

☐

Well Integrity

☐

Casing Repair

☐

New Construction

☐

Recomplete

☐

Other P&A

☐

Change Plans

☒

Plug and Abandon

☐

Water Disposal

☐

Convert to Injection

☐

Plug Back

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

BP requested permission to repair casing leak on 7/19/06. Approval was granted on 7/28/06.

While performing casing repair the casing was found to have holes @ 4273', 4366', 5096' and a possible hole at 980'.

BP respectfully request approval to P&A the above mentioned well.

14. I hereby certify that the foregoing is true and correct
Name (Printed/typed)

Cherry Hlava

Title Regulatory Analyst

Signature

Cherry Hlava

Date 9/22/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Title

Date

SEP 27 2006

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
Certify that the applicant holds legal or equitable title to those rights in the
subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCDB 10/5

SJ Basin Plugging Procedure

Well Name: Warren Com 2 DK

Date: September 19, 2006

Repair Type: P&A

Location: T28N-R9W-Sec14

API #: 30-045-20063

County: San Juan

State: New Mexico

Horizon: DK

Engr: Andrew Berhost

ph (505) 326-9208

mobile: (505) 486-0139

fax (505) 326-9262

Objective: P&A wellbore - Pull tubing, RIH and set CIBP, Run CBL, Spot lower cement plugs, perforate casing (if needed), squeeze cement behind 4-1/2" casing to around 7-5/8" shoe, set cement plug, cut 4-1/2" casing and TOH, CBL 7-5/8" casing, perforate and squeeze 7-5/8" casing, set surface plug, TOH, Remove wellhead, Place dry hole marker.

1. TOH with completion string.
2. RIH and set CIBP.
3. Load well w/ fluid – run CBL
4. Pump lower cement plugs
5. Perforate 4-1/2" casing – circulate cement behind 4-1/2" casing
6. Pump upper cement plug
7. Cut 4-1/2" casing at 1000'
8. CBL 7-5/8" to surface
9. Squeeze 7-5/8" to surface
10. Set surface plug
11. TOH and remove wellhead.

History: Well completed in 6/67 as single DK. Well failed bradenhead test with over 700psig on the intermediate casing. A casing integrity log shows casing holes @ 4273', 4366', 5096' and a possible hole at 980'.

Pertinent Information: Gas BTU content for this well is 1221; Sp gr. is 0.7149. Last sample was taken 9/1/05. Venting and Flaring document needs to be followed if BTU content is above 950.

Procedure:

1. Contact State and Federal agencies prior to starting well repair work. (NMOCD – Charlie Perrin 334-6178 x#11 and BLM 505-599-8907)
2. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.

3. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig.
4. RU slickline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string.
5. Check and record tubing, intermediate casing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
6. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
7. Blow down well. Kill with 2% KCL water ONLY if necessary.
8. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
9. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
10. Install stripping rubber, pull tubing hanger and shut pipe rams. Strip tubing hanger out of hole.
11. RIH and tag PBSD - 7020', then TOO H with 2-3/8" production tubing currently set at 7005'. Visually inspect tubing while POOH.
12. RIH with 4-1/2" CIBP and set at 6700'.
13. Pump and displace a 200' plug (17.5 cu ft) above the CIBP from 6500' - 6700'. TOH. WOC (4 hrs) and then tag top of cement plug at 6500' to confirm solid plug set.
14. Load well with fluid to confirm top of concrete on 1st stage cement behind 4-1/2" casing. Don't attempt to load more than 2 volumes in hole (4-1/2" casing holds 101bbls from 6500' to surface). RU WL and run CBL from 6500' to ~5096' (first know hole in casing) to check TOC behind 4-1/2" casing. If wellbore will load w/ fluid run CBL to surface. Contact Engineer and NMOCD and BLM with CBL results.
15. Based on the results of the CBL it will be determined if cement will be required behind the 4-1/2" casing to cover the GP formation. Expected good cement top 5660' based on casing integrity log.
16. RIH to 5950' with work string. Pump and displace a 200' plug (17.9 cu ft) of G-Class cement from 5740'-5940'. This will put cement across the GP formations. TOH. WOC.
17. RU WL unit and tag TOC at 5700'. RIH and perforate squeeze holes across the top of Cliffhouse formation at ~~3950'~~
4632'

18. RIH and set 4-1/2" cement retainer at ~~3900'~~ 3900'. TIH with 2-3/8" tubing. Sting into cement retainer and squeeze Cliffhouse with 8 cu ft of G-Class cement. PU and spot 200' cement plug (17.9 cu ft.) above the retainer from ~~3700'-3900'~~ 3700'-3900'. This will put cement across all Mesa Verde formations. TOH. WOC. *4082'-3982'*
19. RU WL unit – tag TOC at 3700'. Run CBL from 3700' to surface (if not successful in first attempt) to check TOC behind 4-1/2" to surface. Contact engineer, BLM, and NMOCD with results.
→ Plug Check 3457' - 3357' inside & outside if no cement behind 4 1/2" casing
20. RIH and perforate squeeze holes just below 7-5/8" casing shoe at 2650'. (If TOC behind 4-1/2" is below 2500')
21. RIH and set 4-1/2" cement retainer at 2600'. TIH with 2-3/8" tubing and sting into retainer and squeeze 7" casing shoe with 57 cu ft of cement. PU and spot a 750' cement plug (67.5 cu ft) above the retainer from ~~1850'-2600'~~ 1850'-2600'. This will put cement across the Picture Cliff and Fruitland Coal intervals. TOH. WOC. *2687' - 2083'*
22. RU WL unit tag TOC at 1850'. RIH and perforate squeeze holes at 1600'.
23. RIH and set 4-1/2" cement retainer at 1550'. TIH with 2-3/8" tubing and sting into retainer and squeeze with 57 cu ft of cement. PU and spot a 350' cement plug (31.3 cu ft) above the retainer from 1200'-1550'. This will put cement across the Ojo Alamo interval. TOH. WOC.
24. Chemically cut 4-1/2" casing at ~1000' and TOH with rest of 4-1/2" casing.
25. RU WL and load hole with fluid. Run CBL from 1000' to surface to check TOC of concrete behind 7-5/8" casing. Report results to engineer, BLM, and NMOCD. *Cap 5706 with 100' plug.*
26. RIH and perforate the 7-5/8" casing just below 10-3/4" casing shoe at 350'. (If TOC was not found to be at the surface behind the 10-3/4" casing)
27. RIH and set 7-5/8" cement retainer at 300'. TIH with 2-3/8" tubing and sting into retainer and open the casing annulus valve at the surface and walk the squeeze up to surface behind 7-5/8" casing. PU and spot 300' surface cement plug above the retainer from surface 300'. This will put cement across the 10-3/4" casing shoe all the way to surface behind the 7-5/8" casing and also set a surface plug inside the 7-5/8" annulus to surface. Leave casing full of cement. TOH. WOC.
28. ND BOP. Perform underground disturbance and hot work permits. Cut off tree.
29. Install 4' well marker and identification plate per NMOCD requirements.
30. RD and release all equipment. Remove all LOTO equipment.
31. Ensure all reports are loaded into DIMS. Print out summary of work and place in Wellfile.

Warren Com #2

Sec 14, T28N, R9W

API # 30-045-20063

GL: 6106'

History:

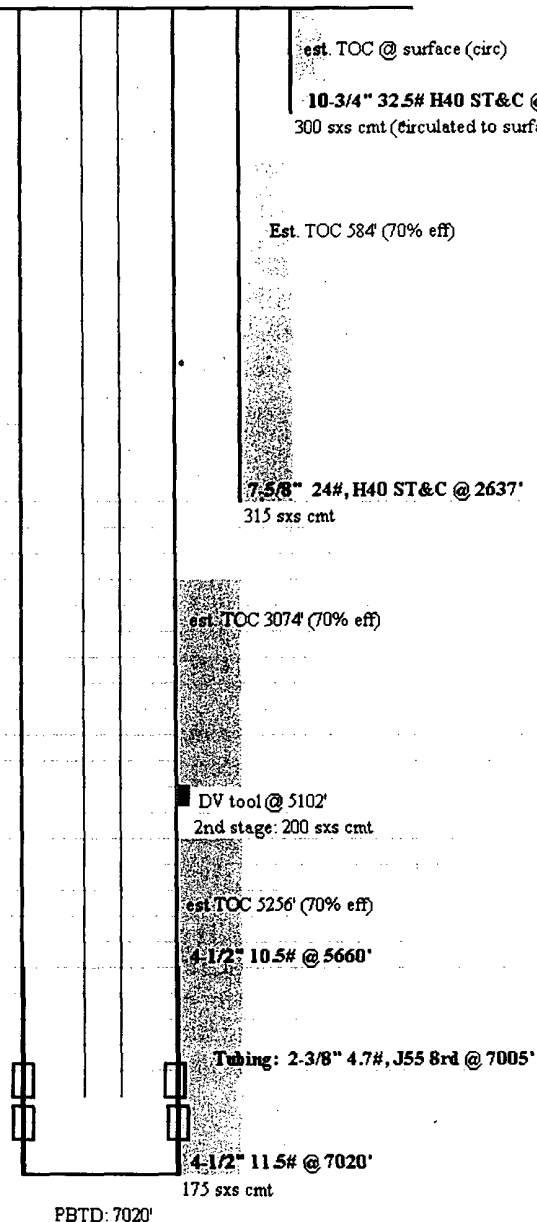
Completed in June 1967

Formation Tops:

Ojo Alamo: 1400' - approx no log
 Kirkland: 1550' - approx no log
 FT Coal: 2050' - approx no log
 PCCF: 2450' - approx no log
 Lewis: 2700'
 Chacra: 3407'
 CLFH-E: 3950'
 MENF: 4152'
 PNLC: 4114'
 MNCS: 5080'
 GLLP: 5890'
 GRNR: 6658'
 GRRS: 6720'
 TWLS: 6763' - Top of Dakota

Dakota Perforations

6814' - 6925' w/ 60,000# sand
 6952' - 7004' w/ 60,000# sand

**NOTES:**

- 1) Tested tubing for leak in Jan 2002. Blew csg to 0 psi.
Field commented well acted like it had a packer. There is no packer in the well.
- 2) Failed intermediate casing pressure test - tested over 700 psig (May 2006)
- 3) Casing integrity log found poor casing at 950 and holes at 4273', 4366', 5096'
Change in casing weight was found at 5660' from 10.5# to 11.5#. Log shows evidence that 1st stage cement possibly stops at 5660' until DV tool at 5102'. (Sept 2006)
updated: 9/20/06 ADB